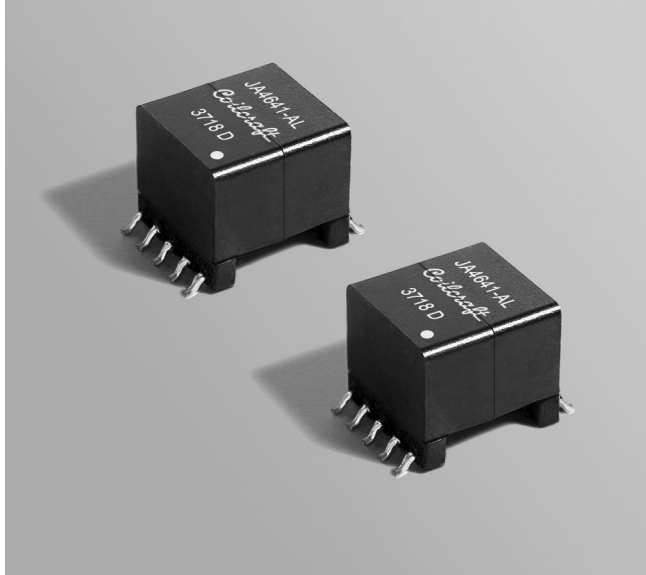


Flyback Transformer

For Silicon
Laboratories Si3402
PD Controller



- Specified by Silicon Laboratories for Si3402 PD controller up to 15 W
- Designed to operate in continuous mode at 250 kHz with an input of 36–72 Vdc
- 1500 Vrms, one minute isolation (hipot) between primary and secondary
- AEC-Q200 Grade 3 qualified (–40°C to +85°C ambient)

Core material Ferrite

Terminations RoHS tin-silver over tin over nickel over phos bronze. Other terminations available at additional cost.

Weight 6.79 g

Ambient temperature –40°C to +85°C

Maximum Part temperature +125°C (Ambient + temp rise)

Storage temperature Component: –40°C to +125°C.

Tape and reel packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

PCB washing Tested to MIL-STD-202 Method 215 plus an additional aqueous wash. See [Doc787_PCB_Washing.pdf](#).

Part number ¹	Inductance at 0 A ² ±10% (µH)	Inductance at 2 A ³ (µH)	DCR max (Ohms)		Leakage inductance max (µH) ⁴	Turns ratio pri : sec	Power (W)	Output
			pri	sec				
JA4641-ALD	40	36	0.10	0.275	0.56	1 : 2	15	24 V, 0.625 A

1. **Packaging:** D = 13" machine-ready reel. EIA-481 embossed plastic tape (175 parts per full reel). Quantities less than full reel available: in tape (not machine ready) or with leader and trailer (\$25 charge).

2. Inductance is for the primary, measured at 200 kHz, 0.2 Vrms, 0 Adc.

3. Minimum inductance for the primary, measured at 200 kHz, 0.2 Vrms, 2 Adc.

4. Leakage inductance is for the primary, measured with secondary windings shorted together.

5. Electrical specifications at 25°C.

Refer to [Doc 362 "Soldering Surface Mount Components"](#) before soldering.



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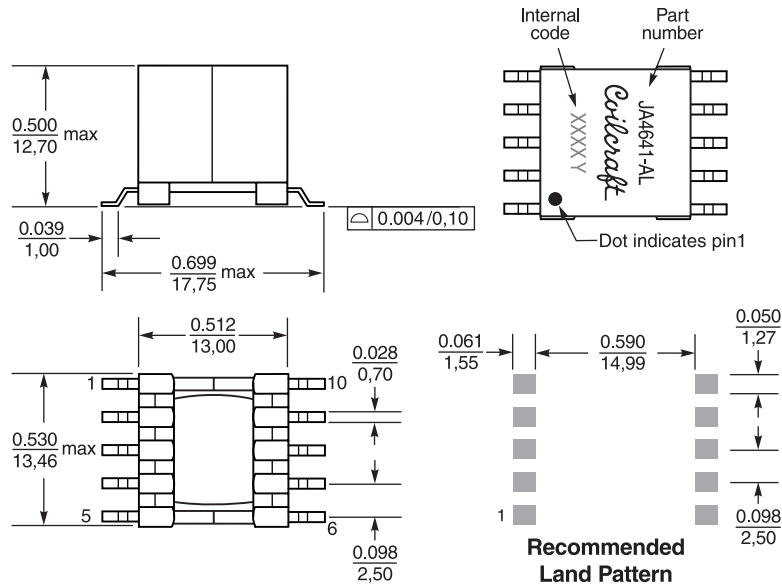
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This product may not be used in medical or high risk applications without prior Coilcraft approval. Specification subject to change without notice. Please check web site for latest information.

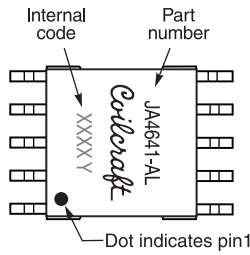


Flyback Transformer – JA4641-AL

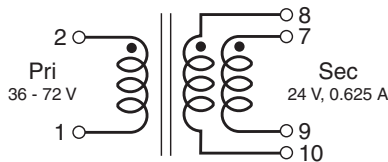


Dimensions are in $\frac{\text{inches}}{\text{mm}}$

Packaging 175 per 13" reel Plastic tape: 32 mm wide, 0.6 mm thick, 28 mm pocket spacing, 13.40 mm pocket depth



Schematics



Connect pin 7 to 8 and pin 9 to 10 on the PC board.



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